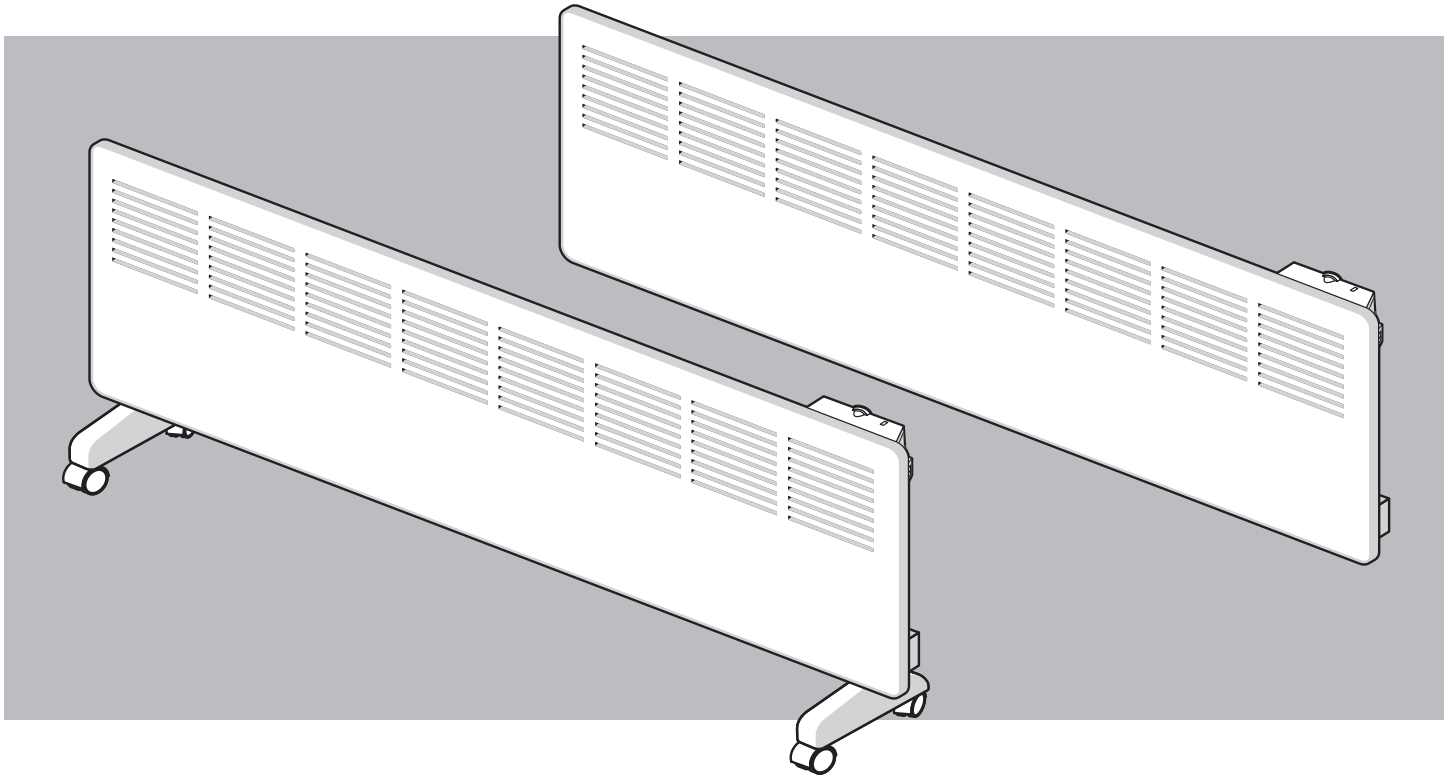
Rinnai

Customer Operation & Installation Manual Electric Panel Heater

MODELS: EPH10MW / EPH15MW / EPH22MW



For safe and reliable operation and optimum performance this appliance must be operated, installed and maintained in accordance with these instructions.
Read these instructions thoroughly before attempting installation and operation.
Keep these instructions handy for future reference.

N10378

Congratulations on the purchase of your Rinnai Electric Panel Heater.

BEFORE PROCEEDING WITH THE OPERATION OR INSTALLATION OF YOUR NEW HEATER, PLEASE READ THIS MANUAL THOROUGHLY AND GAIN A FULL UNDERSTANDING OF THE REQUIREMENTS, FEATURES AND OPERATION OF YOUR NEW APPLIANCE.

WARRANTY, FEATURES & SPECIFICATIONS

WARRANTY

The benefits to the consumer given by this warranty are in addition to all other rights and remedies of the consumer under a law in relation to the goods or services to which the warranty relates.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This heater has a 7 year parts warranty from date of purchase. If the product fails within this 7 year period return it to the supplier with proof of purchase for repair or replacement.

Supplier warranty claims for Rinnai products or services must be made by contacting Rinnai Australia. Contact details are on the back of this document.

The following exclusions may cause the warranty to become void and may result in a service charge and costs of parts (if required):

1. Accidental damage and acts of God.
2. Failure due to abuse or misuse, improper maintenance, failure to maintain or improper storage.
3. Failure due to incorrect or unauthorised installations or outdoors use.
4. Failure or damage caused by alterations, service or repair work carried out by persons other than Rinnai service persons or service agents.
5. Where it is found that there is no fault with the appliance and the issue is related to the installation or is due to the failure of electricity supply.

FEATURES

This heater uses electricity as the heating medium. It operates on the 'natural convection' principle where air from the room is drawn into the 'air inlet' grille at the base of the appliance, is heated inside the appliance and expelled through the 'air outlet' louvres at the top of the appliance without the use of fans. A thermostatic system keeps the room close to the selected comfort level range.

Your comfort level is determined by adjusting the temperature dial, note that the comfort level may vary from room to room, due to factors such as:

- Building construction type and insulation levels
- Ceiling Heights
- Room size, door openings and natural ventilation
- Number of windows and window furnishings
- The amount of furniture and other fixtures within the room

DIY INSTALLATION	This heater is suitable for Do It Yourself installation.
SILENT OPERATION	Electric element operation eliminates fan noise.
DRAFT FREE	Non fan operation also means no drafts.
LOW MAINTENANCE	No moving parts makes for virtually maintenance free operation.

SPECIFICATIONS

Model		EPH22MW	EPH15MW	EPH10MW
Rated Power		2200 Watt	1500 Watt	1000 Watt
Rated Voltage		240V ~ 50Hz		
Dimensions	Height Width Depth	440mm 1000mm 105mm	440mm 580mm 105mm	440mm 420mm 105mm
Weight		7.7kg	5.0kg	4.0kg
Installation Options		Wall/Freestanding	Wall/Freestanding	Wall/Freestanding

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SAFETY & IMPORTANT POINTS

UNPACKING THE APPLIANCE

If any damage is evident **DO NOT INSTALL** or **OPERATE** and contact your supplier for advice.

WHAT'S IN THE BOX

The package should contain:

Heater fitted with flexible cord and plug.
A plastic bag containing the Operating and Installation Instructions and mounting screws.
Two plastic bags containing four castors, two castor brackets and two clips.

SAFETY

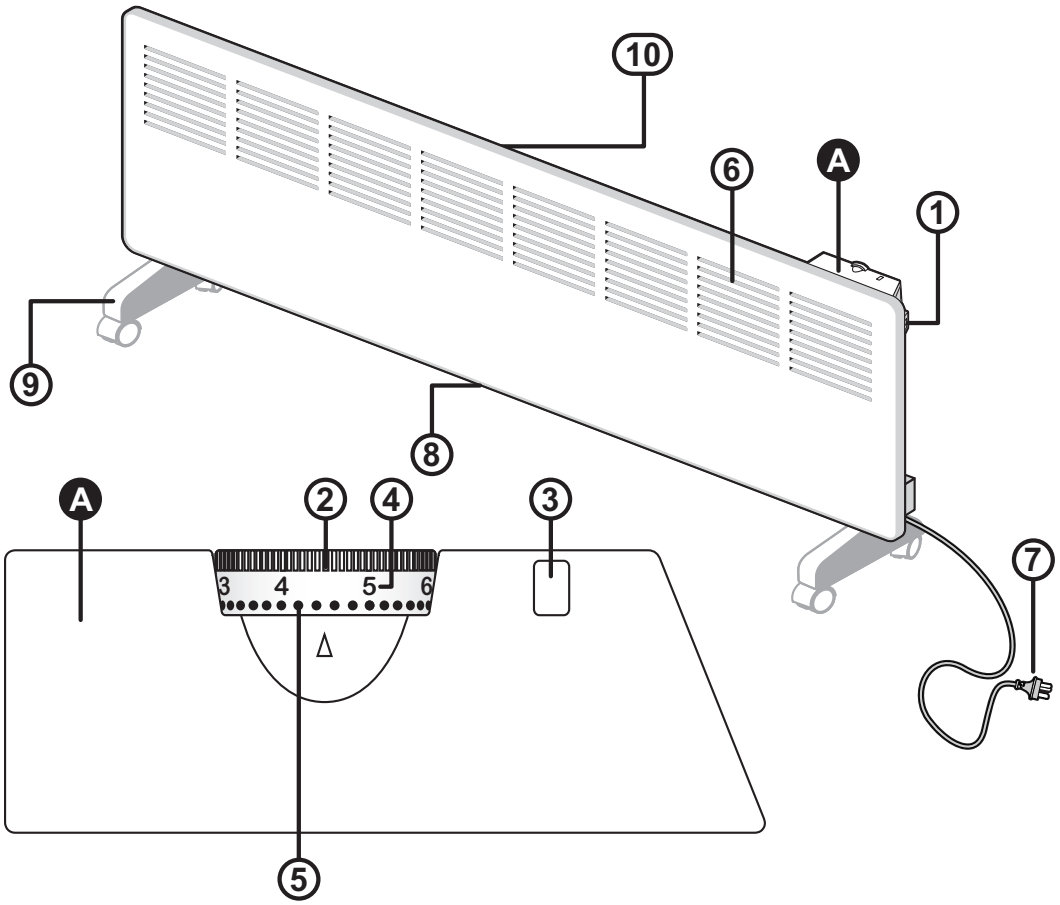
It is important the following precautions are followed to minimise the risk of overheating, fire, electric shock and injury.

IMPORTANT

- **The heater is fitted with an Australian flexible cord and 2 pin plug intended for connection to an Australian 10 Amp socket outlet. It is not suitable for connection in other countries or alternative power supplies. Ensure that the voltage and frequency of the power supply correspond to the ratings on the dataplate of the appliance.**
- **This heater must not be located immediately below or directly in front of a socket-outlet.**
- **The heater may be direct wired only by a licensed electrical trades person in accordance with local regulations.**
- **This heater is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.**
- **Young children should be supervised to ensure they do not play with the appliance.**
- **DO NOT allow children or persons with reduced physical, sensory or mental capabilities to sleep directly in front of the heater.**
- **DO NOT allow children to 'post articles' into the louvres of the heater.**
- **The electrical cord must not come into contact with the heated parts of the heater.**
- **DO NOT use power boards or double adaptors with this heater.**
- **DO NOT coil or bundle the electric cord to reduce it's length as overheating of the cord may occur which could result in a fire hazard.**
- **The flexible cord and plug must not be modified. If the cord or plug are damaged, they must be replaced by Rinnai or a Rinnai appointed service agent.**
- **DO NOT cover or place articles on or against any parts of this heater, to avoid overheating.**
- **DO NOT sit on this heater.**
- **If used as a portable heater, do not use in the immediate surroundings of a bath, a shower or a swimming pool.**
- **If used as a portable heater, unplug and allow to cool before placing in storage.**
- **If used as a portable heater, do not move whilst it is turned on.**
- **DO NOT unplug the heater by pulling on the flexible cord.**
- **DO NOT handle any parts of the heater, including the plug and flexible cord, with wet or damp hands.**
- **DO NOT immerse the appliance, flexible cord and plug in water or any other liquid.**
- **DO NOT place containers of any liquid or wax on top of the heater.**
- **Turn off the appliance and unplug from the power socket outlet when not in use.**
- **DO NOT use in areas where flammable liquids are stored.**
- **This appliance is suitable for indoor use only.**
- **Never dismantle the appliance. Tampering with electrical connections and components is highly dangerous and may cause appliance malfunction.**

HOW TO OPERATE THE HEATER

HEATER LAYOUT

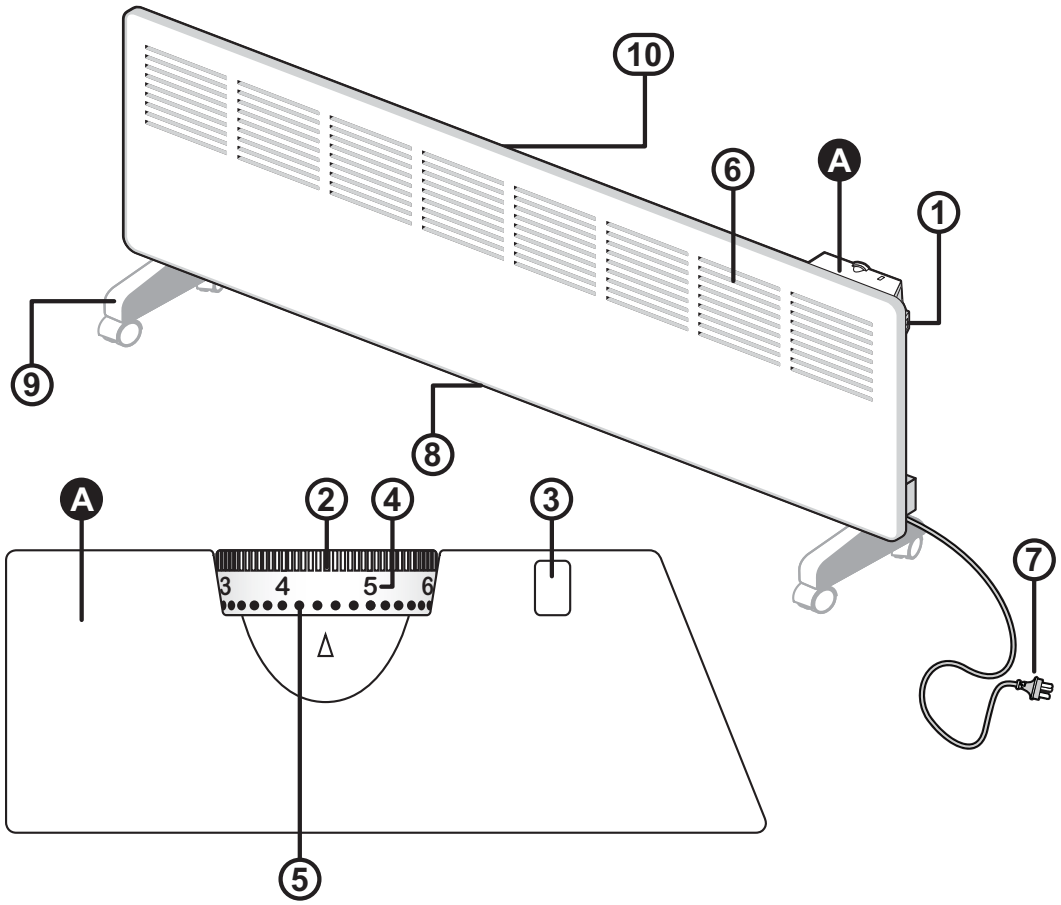


- **Ⓐ Control panel console**
- **① MAIN POWER switch**
- **② Heating control dial**
- **③ Heater operation indicator (Red)**
- **④ Heating level (MIN,1,2,3,4,5,6,7,8,MAX)**
- **⑤ Comfort Zone Settings***
- **⑥ Louvre, warm air discharge**
- **⑦ 240 Volt power cord & plug**
- **⑧ Air inlet Grille**
- **⑨ Castors for floor mounting (see "INSTALLATION" on pages 5 & 6 for installation options)**
- **⑩ Mounting bracket for wall installation (see "INSTALLATION" on pages 5 & 6 for installation options)**

**Refer to page 3 for details on the Comfort Zone Settings.*

HOW TO OPERATE THE HEATER

HEATER OPERATION



To turn the heater on and set the heating level:

Ensure heater is plugged in and the power socket outlet is switched on.

1. Turn the main power switch ① located on the right hand side of the appliance, to the ON 'I' position.
2. Adjust the heating dial ② to the desired numeric heating level ④. The heating operation indicator ③ will illuminate to indicate the heater is now in operation.

NOTE

The graduated comfort zone settings ⑤ on the heating control dial provide a quick user reference for choosing an appropriate heating level.

Levels 3 to 6 indicate the Comfort Zone in which most standard evironments will have a generally comfortable level of heating.

3. Allow the room to reach the desired comfort level.

NOTE

Time taken to reach the desired comfort level may vary from room to room, due to factors such as:

Building construction type, Building insulation level, Room size, Ceiling Height, Number of windows and window furnishings & The amount of furniture and other fixtures within the room.

4. Once the room has achieved the desired level of comfort the thermostatic control will then cycle the heater on and off as required to maintain the set comfort level.
5. If the selected comfort level temperature is cooler than desired, select a higher setting on the heating control dial ②.
6. If the selected comfort level temperature is warmer than desired, select a lower setting on the heating control dial ②.
7. To stop heater operation completely turn the main power switch ① located on the right hand side of the appliance, to the OFF '0' position.

CARE AND MAINTENANCE

CARE OF THE HEATER

Due to the 'natural convection' operating principle it is normal that some dust and fluff may build up at the air inlet and air outlet louvres over time. This will reduce operating effectiveness and may result in the appliance overheating if left for too long without cleaning.

DO NOT use solvents to clean any parts.

To remove dust and clean the appliance:

1. Unplug the electric plug of the heater from the socket outlet before commencing cleaning.
2. Allow to cool down.
3. Use a vacuum cleaner to remove any dust and fluff from the inlet and outlet louvres.
4. All parts of the heater can be cleaned using a soft, damp cloth with some mild detergent (such as dishwashing liquid) if required.
5. Ensure the heater is dry before reconnecting to the electricity supply.

SERVICE AND REPAIR

IMPORTANT **During the initial heat up in period or after long periods of non use some light grey smoke or odour may be experienced. This is normal and is caused by dust that may have settled on the heating element. During this period the space being heated should be well ventilated.**

If the electric power cord or plug are damaged, they must be replaced by Rinnai or a Rinnai appointed service agent.

There are no user serviceable parts inside the appliance. All service and repair work must be carried out by persons competent and permitted by law to do so.

If the heater requires service or repair contact your supplier or Rinnai Australia.

DISPOSAL

Electrical appliances may contain materials which, if handled or disposed off incorrectly, present a hazard to humans or the environment.

DO NOT dispose of your old appliance with your household waste. Dispose of your old appliance at your local community waste collection / recycling centre and ensure it presents no danger to children whilst being stored for disposal.

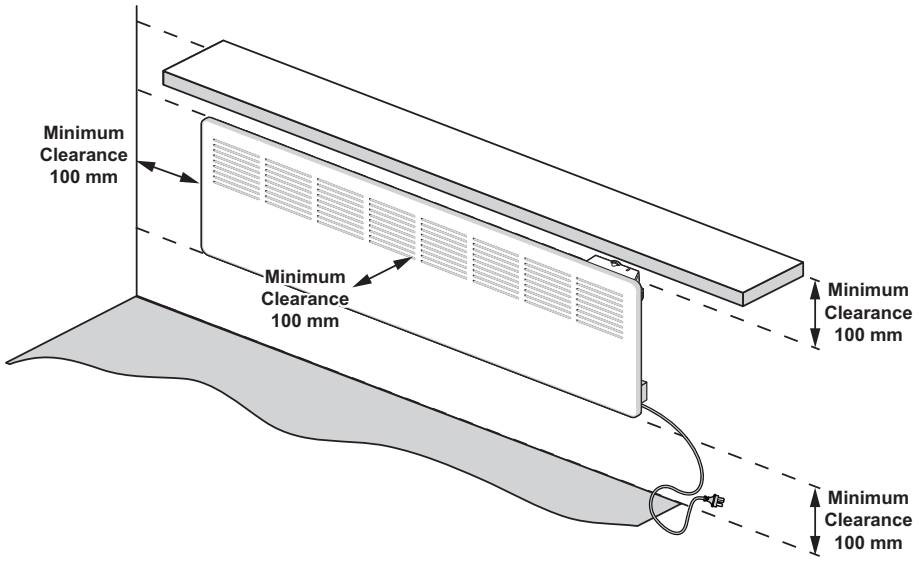
INSTALLATION

GENERAL

This heater is suitable for Do It Yourself installation. It can be either wall mounted (fixed installation) or freestanding by mounting castors in accordance with these instructions. A phillips head screwdriver is required for fixed installation. For wall installation other tools and hardware may be required, depending on the wall material.

WALL INSTALLATION

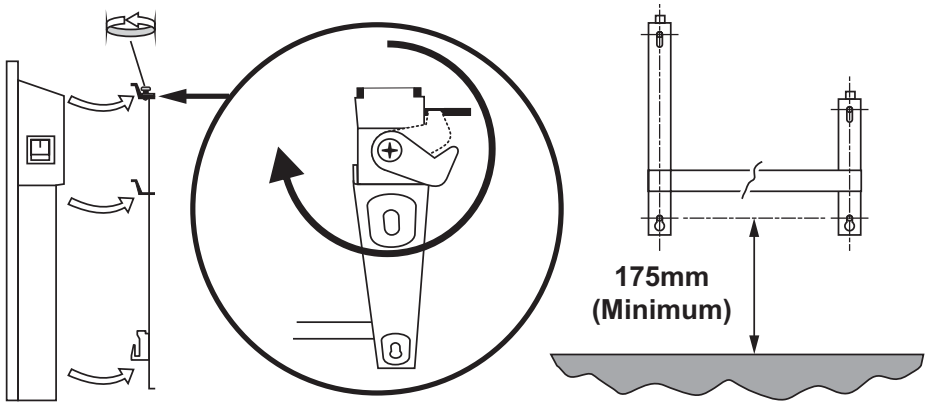
The clearance from the sides, front and top of the heater must be at least 100mm as shown in the diagram below.



IMPORTANT

- **This heater MUST NOT be located immediately below a socket-outlet.**
- **This heater MUST be positioned within one metre of a socket-outlet to ensure the flexible cord and plug can reach it.**
- **This heater is NOT designed to be built in.**
- **DO NOT attach the castors to the heater base for wall installations.**
- **The heater is suitable for installation in non-communal baths and shower areas or bathrooms. It is to be installed such that switches and other controls cannot be touched by a person in the bath or shower. Consult your licensed electrical trades person for installation in communal baths and shower areas or bathrooms.**

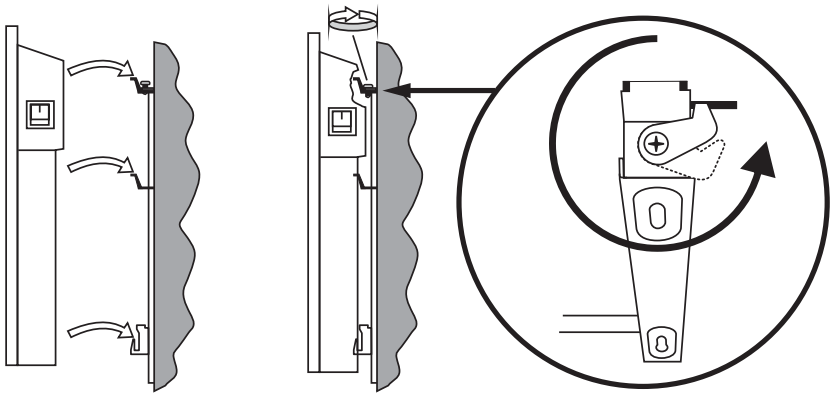
1. Ensure the heater is unplugged from the power socket outlet and the 'on / off' switch is in the off position before commencing wall mounting.



2. Loosen the locking latch on the taller leg of the mounting bracket and detach the mounting bracket from the back of the panel heater.
3. Position the mounting bracket on the wall. Ensure the two bottom mount holes are at least 175mm from the floor and drill holes as required.

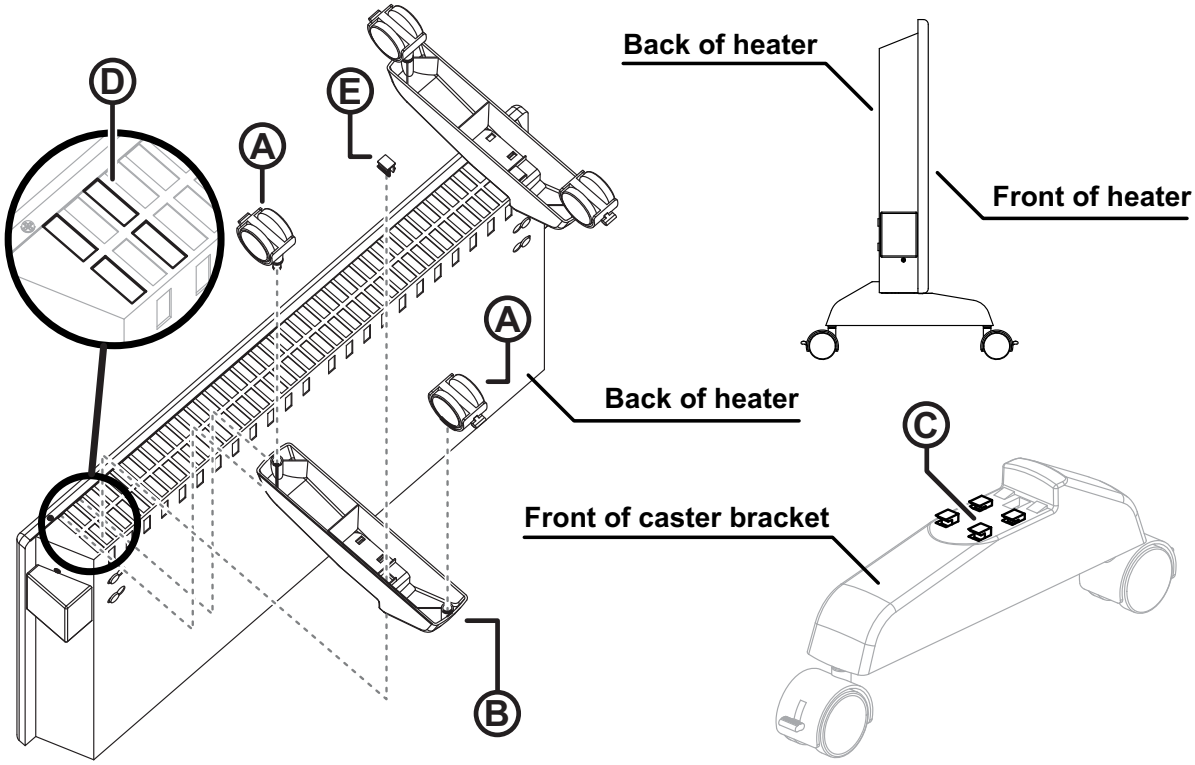
INSTALLATION

4. Secure the mounting bracket to the wall with the 4 mounting screws. For masonry walls use the plastic plugs with screws provided. For plaster walls obtain suitable plasterboard fasteners from a building hardware supplier.



5. Re-attach the heater to the mounting bracket and secure in place with the locking latch.
6. Remove the cable tie from the flexible cord and insert the 2 pin plug of the heater into the power socket outlet. **DO NOT** bundle or coil the flexible cord to reduce its length as overheating and subsequent fire hazard could result.

FREESTANDING INSTALLATION



1. Be sure heater is unplugged and power switches are off.
2. Place the heater in an 'upside down' position with the back of the heater facing you.
3. Assemble the 2 castors Ⓐ to each castor bracket Ⓑ by pushing the metal shaft until it clicks and locks into position.
4. With the front end of the castor support bracket pointed towards the front of the heater, align the four locating tabs Ⓒ with four of the outer most air inlets Ⓓ then push down and forward until the tabs are fully engaged with the heater. Then secure each of the castor brackets in place with the retaining clips Ⓔ.
5. Remove the cable tie from the flexible cord and insert the 2 pin plug of the heater into the power socket outlet. **DO NOT** bundle or coil the flexible cord to reduce it's length as overheating and subsequent fire hazard could result.

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Spare Parts & Technical Info
Tel: 1300 366 388* Fax: 1300 300 141*
Cost of a local call Higher from mobile or public phones.

Rinnai has a Service and Spare Parts network with personnel who are fully trained and equipped to give the best service on your Rinnai appliance. If your appliance requires service, please call our Service Line.